

ABSTRACT

A locking ring assembly retains a bearing to a shaft rotatably supported on a first axis of rotation. Guide pins or rods extend axially from an annularly shaped bearing retainer slideably disposed on the shaft towards the pressure ring, also slideably disposed on the shaft. The heads of the guide pins are slideably disposed and captured in adjusting apertures of the pressure ring. A multi part pressure screw assembly are provided in the adjusting apertures of the pressure ring. Such pressure screws translate axially in the apertures of the pressure ring when rotated, with the thrust pads engaging the heads of the guide pins to displace the pressure ring from the bearing retainer. The pressure ring reacts against a reactive element or ring disposed on the shaft opposite the bearing retainer to develop an axial pressure load against the bearing.

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